

G. Helmer



RAW SEQUENCE LISTING

DATE: 07/02/2002

PATENT APPLICATION: US/09/700,113

TIME: 13:49:20

Input Set : N:\Crf3\RULE60\09700113.raw

Output Set: N:\CRF3\07022002\I700113.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Ding, Shou-wei

7 (ii) TITLE OF INVENTION: DISEASE RESISTANT TRANSGENIC PLANTS

9 (iii) NUMBER OF SEQUENCES: 4

11 (iv) CORRESPONDENCE ADDRESS:

12 (A) ADDRESSEE: Rothwell, Figg, Ernst & Kurz

13 (B) STREET: 555 Thirteenth Street, N.W., Suite 701 East

14 (C) CITY: Washington

15 (D) STATE: DC

16 (E) COUNTRY: USA

17 (F) ZIP: 20004

19 (v) COMPUTER READABLE FORM:

20 (A) MEDIUM TYPE: Floppy disk

21 (B) COMPUTER: IBM PC compatible

22 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

23 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

25 (vi) CURRENT APPLICATION DATA:

C--> 26 (A) APPLICATION NUMBER: US/09/700,113

C--> 27 (B) FILING DATE: 16-Feb-2001

28 (C) CLASSIFICATION:

30 (vii) PRIOR APPLICATION DATA:

32 (A) APPLICATION NUMBER: US/09/153,241

33 (B) FILING DATE: 15-SEP-1998

35 (A) APPLICATION NUMBER: WO PCT/SG98/00035

36 (B) FILING DATE: 12-MAY-1998

38 (viii) ATTORNEY/AGENT INFORMATION:

39 (A) NAME: Figg, Edward A.

40 (B) REGISTRATION NUMBER: 27,195

41 (C) REFERENCE/DOCKET NUMBER: 2248-108

43 (ix) TELECOMMUNICATION INFORMATION:

44 (A) TELEPHONE: 202-783-6040

45 (B) TELEFAX: 202-783-6031

48 (2) INFORMATION FOR SEQ ID NO: 1:

50 (i) SEQUENCE CHARACTERISTICS:

51 (A) LENGTH: 328 base pairs

52 (B) TYPE: nucleic acid

53 (C) STRANDEDNESS: double

54 (D) TOPOLOGY: linear

56 (ii) MOLECULE TYPE: DNA (genomic)

58 (iii) HYPOTHETICAL: NO

60 (iv) ANTI-SENSE: NO

62 (vi) ORIGINAL SOURCE:

ENTERED

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63      (A) ORGANISM: Tomato aspermy virus
65      (vii) IMMEDIATE SOURCE:
66      (B) CLONE: pTMV-30B
70      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
72 ACCGTTAAGA AGAAGAAGAA TGGCAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA      60
74 GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA      120
76 GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA      180
78 AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG      240
80 CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA      300
82 TCAATGATTT CCGACCCTTC GTCGTCCG      328
84 (2) INFORMATION FOR SEQ ID NO: 2:
86      (i) SEQUENCE CHARACTERISTICS:
87          (A) LENGTH: 328 base pairs
88          (B) TYPE: nucleic acid
89          (C) STRANDEDNESS: single
90          (D) TOPOLOGY: linear
92      (ii) MOLECULE TYPE: other nucleic acid
93          (A) DESCRIPTION: /desc = "Synthetic DNA"
95      (iii) HYPOTHETICAL: NO
97      (iv) ANTI-SENSE: NO
99      (vi) ORIGINAL SOURCE:
100          (A) ORGANISM: Tomato aspermy virus
102      (vii) IMMEDIATE SOURCE:
103          (B) CLONE: pTAVd2b1
107      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
109 ACCGTTAAGA AGAAGTAGAA TGTAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA      60
111 GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA      120
113 GGAGCGGGGT CACAAAAGTC CAAGTGAACA AAGGCGATCG GAGTTATGGC ACGCGCGTCA      180
115 AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG      240
117 CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA      300
119 TCAATGATTT CCGACCCTTC GTCGTCCG      328
121 (2) INFORMATION FOR SEQ ID NO: 3:
123      (i) SEQUENCE CHARACTERISTICS:
124          (A) LENGTH: 328 base pairs
125          (B) TYPE: nucleic acid
126          (C) STRANDEDNESS: single
127          (D) TOPOLOGY: linear
129      (ii) MOLECULE TYPE: other nucleic acid
130          (A) DESCRIPTION: /desc = "Synthetic DNA"
132      (iii) HYPOTHETICAL: NO
134      (iv) ANTI-SENSE: NO
136      (vi) ORIGINAL SOURCE:
137          (A) ORGANISM: Tomato aspermy virus
139      (vii) IMMEDIATE SOURCE:
140          (B) CLONE: pTAVd2b2
144      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
146 ACCGTTAAGA AGAAGTAGAA TGTAAGCAT CGAGATCCCT CTACACGAGA TCATTCGAAA      60
148 GTTGGAACGG ATGAATCAAA AGAAACAAGC ACAGAGGAAA CGACACAAAC TGAACCGCAA      120
150 GGAGCGGGGT CACAAAAGTC CAAGTGAATA AAGGTGATCG GAGTTATGGC ACGCGCGTCA      180

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152 AGTTGAACTT TCTGCCATTA ATTCCGATAA TTCTTCAGAT GAGGGTACCA CTCTGTGTCG      240
154 CTTTGACACA TTTGGTTCCA AGTCTGATGC TATTTGTGAT CGCTCTGACT GGTGTCTCGA      300
156 TCAATGATTT CCGACCCTTC GTCGTCCG      328
158 (2) INFORMATION FOR SEQ ID NO: 4:
160     (i) SEQUENCE CHARACTERISTICS:
161         (A) LENGTH: 504 base pairs
162         (B) TYPE: nucleic acid
163         (C) STRANDEDNESS: single
164         (D) TOPOLOGY: linear
166     (ii) MOLECULE TYPE: DNA (genomic)
168     (iii) HYPOTHETICAL: NO
170     (iv) ANTI-SENSE: NO
172     (vi) ORIGINAL SOURCE:
173         (A) ORGANISM: Cucumber mosaic virus
175     (vii) IMMEDIATE SOURCE:
176         (B) CLONE: pCMV2b
180     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
182 GATCCATGGA TGTGTTGACA GTAGTGGTGT CGACCGCCGA CCTCCACTTA GCCAATTTGC      60
184 AGGAGGTGAA ACGTCGAAGA CGAAGGTCTC ACGTCAGAAA CCGGCGAGCG AGGGGTTACA      120
186 AAAGTCCCAG CGAGAGAGCG CGATCTATAG CGAGACTTTT CCAGATGTTA CCATTCCACG      180
188 GAGTAGATCC CGTGGATTGG TTTCTGTATG TCGTTCGCTC TCCGTCCGTT ACCAGCCTTG      240
190 TTTCTTATGA ATCTTTTGAT GATACTGATT GGTTTGCTGG TAACGAATGG GCCGAAGGGT      300
192 CGTTTTGATT TCCGACCCTT CGTCGTCCGA AGACGTAAAA CTACGCTCTC TTTATTGCGA      360
194 GTGCTGAGTT GGTAGTTTGC TCTAAACTAT CTGAAGTCGC TAAATCCATT ACTGGTTGCG      420
196 AACGGGTTGT CCATCCAGCT TACGGCTAAA ATGGTCAGTC ATGCCCCAAA GGCATGCCGA      480
198 CACCCTACAG GGTGTCGAG GTAC      504

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VERIFICATION SUMMARY

DATE: 07/02/2002

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Input Set : N:\Crf3\RULE60\09700113.raw

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L:26 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:27 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]